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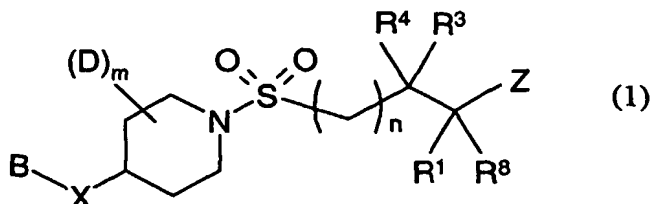
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: SULPHONYLPYPERIDINE DERIVATIVES CONTAINING AN ALKENYL OR ALKYNLY MOIETY FOR USE AS  
MATRIX METALLOPROTEINASE INHIBITORS



(57) Abstract: A compound of formula  
(1): wherein B is optionally substituted  
C<sub>2-4</sub>alkenyl or C<sub>2-4</sub>alkynyl; useful in the  
inhibition of one or more metalloproteinases  
and in particular TACE.

## INTERNATIONAL SEARCH REPORT

International Application No

PC1, 03/02985

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/445 A61P37/00 C07D401/12 C07D239/26 C07D211/96

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/46221 A (CARROLL JEFFERY N ;CRESCENZO GARY A DE (US); MISCHKE DEBORAH A (US) 10 August 2000 (2000-08-10) claim 4	1-10
Y	WO 99/24399 A (DARWIN DISCOVERY LTD) 20 May 1999 (1999-05-20) claim 1	1-10
A	WO 00/12478 A (ZENECA PHARMA SA ;TUCKER HOWARD (GB); WATERSON DAVID (GB); ZENECA) 9 March 2000 (2000-03-09) cited in the application claim 1	1-10

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

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# INTERNATIONAL SEARCH REPORT

In International application No.  
PCT/GB 03/02985

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 8 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-10

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

Compounds of formula (1), their pharmaceutical uses and compositions.

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2. claims: 11-13

Ethyl 4-(pyrimidin-2-yl)butanoate and its process of preparation

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3. claim: 14

The use of the defined palladium catalyst in a Negishi coupling reaction

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# INTERNATIONAL SEARCH REPORT

International Application No  
P 03/02985

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